

ABSTRACT OF THE DISCLOSURE

An electric parts drive circuit has: a first field-effect transistor including in parallel a first parasitic diode and provided between the plus line and an electric part; a second field-effect transistor including in parallel a second parasitic diode, the first and second field-effect transistors being connected in series in order from the plus line to the electric part; a third field-effect transistor including in parallel a third parasitic diode and provided between a minus line and the electric part; a failure diagnosis switch unit; and a switch control unit, wherein the switch control unit diagnoses a failure of the second field-effect transistor based on the voltage between the first and second field-effect transistors responsive to switching between conduction and shutoff of the second field-effect transistor in a state that the first and third field-effect transistors are shut off and the failure diagnosis switch unit is brought into conduction.